INSTRUMENT

PARTS LIST

Model U-88

OFFICIAL RECORDS STATION
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FACILITIES

SENSITIVE RESEARCH INSTRUMENT CORPORATION
NEW ROCHELLE, N.Y.

Symbol of Quality

ELECTRICAL INSTRUMENTS OF PRECISION SINCE 1927

Instrument No.

PARTS LIST

FOR THE

MAINTENANCE

OF OUR

UNIVERSAL POLYRANGER

MODEL U-88

SENSITIVE RESEARCH
INSTRUMENT CORPORATION
NEW ROCHELLE, N. Y.

Symbol of Quality

ELECTRICAL INSTRUMENTS OF PRECISION SINCE 1927

SENSITIVE RESEARCH INSTRUMENT CORP. 310 MAIN STREET, NEW ROCHELLE N.Y., U.S.A.

SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER **SECTION** ONE

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	INSTRUMENT CASE PARTS			
		88U-1	Universal 88 Polyranger walnut instrument case with hinged removable cover (includes lock, handle, hinges, feet, data card frame, complete ready for use)	No	*	1
		88U-2	Universal 88 Polyranger FORMICA instrument case with hinged removable cover. Includes above hardware (when used)	No	*	1
		88U-4	Instrument case handle (supplied with 2 mounting screws)	No	*	1
		88U-6	Nickeled case lock (supplied with 4 round head mounting screws)	*	*	1
		88U-7	Nickeled case slip hinges (supplied with 8 round head screws)	*	*	1 set
		88U-8	Rubber case feet (with mounting screws)	*	*	8
		88U-10	Universal 88 Nameplate (mounted on outside of case)	No	*	1
		88U-12	Nickeled data card frame (supplied with 6 screws)	*	*	1
		88U-13	Data Card Celluloid	*	*	1
		88U-14	Data Card (paper) for the specific instrument	No	*	1

(See Drawing Plate No. 30)

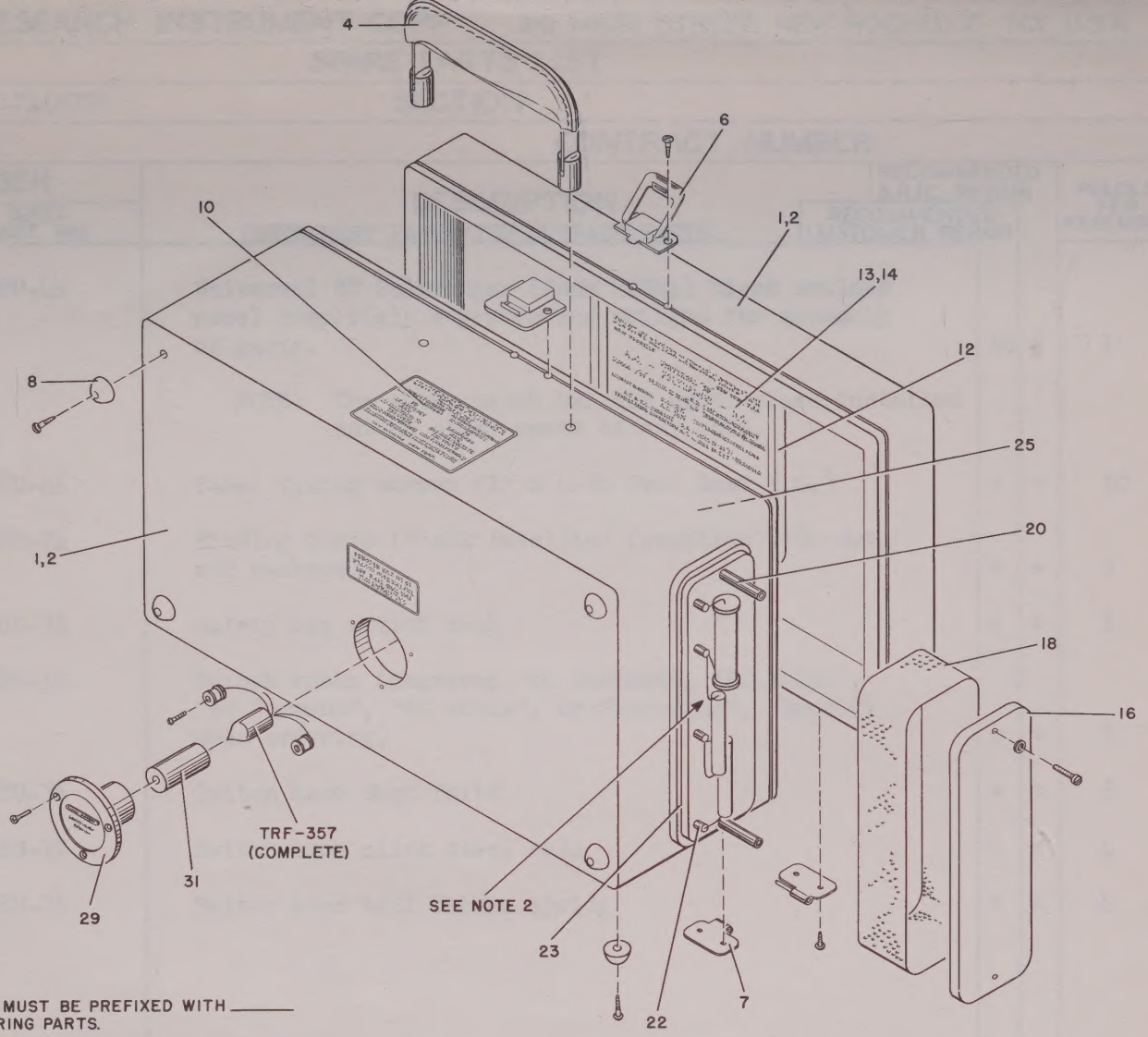
SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER **SECTION** ONE

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR		PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	INSTRUMENT CASE PARTS				
		88U-16	Ventilated shunt cage bakelite cover (with two mounting screws)		No	*	1
		88U-18	Ventilated shunt cage metal screen		No	*	1
		88U-20	" " " cover pillars		No	*	2
		88U-22	" " " connection pillars		No	*	4
		88U-23	" " " bakelite baseplate		No	*	1
		88U-25	Sponge rubber universal case gasket		No	*	1 length

(See Drawing Plate No. 30)



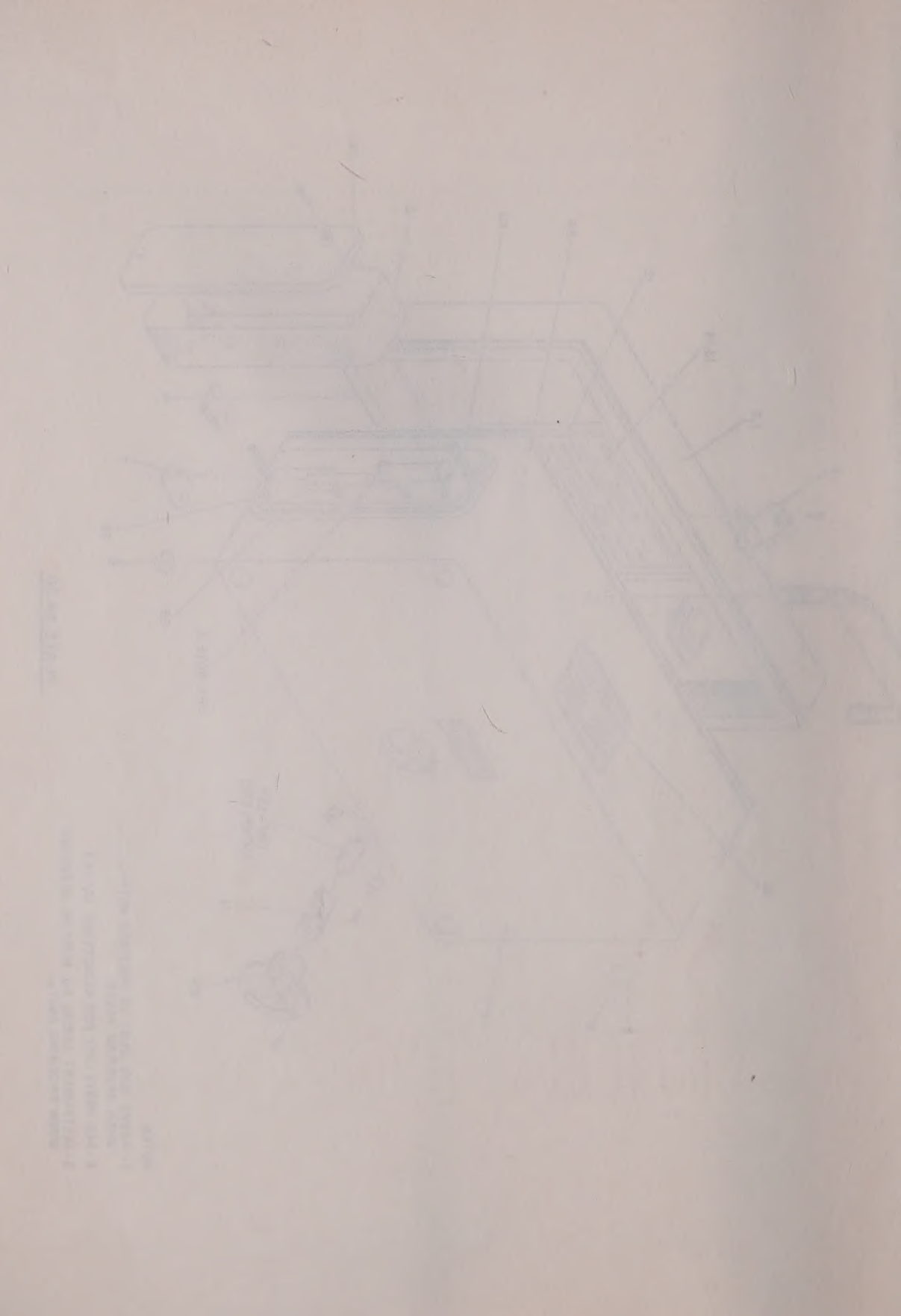
NOTES:

1 - ABOVE NO'S MUST BE PREFIXED WITH _____ WHEN ORDERING PARTS.

2 - SEE PARTS LIST FOR RESISTANCE VALUES.

3 - INSTRUMENT SERIAL NO. MUST BE SPECIFIED WHEN ORDERING PARTS.

PLATE Nº 30



SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER **SECTION** 2

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	INSTRUMENT PANEL TOP SURFACE PARTS			
		88U-44	Universal 88 Polyranger (Code EXCEL) black moulded panel completely engraved and drilled for assembly of parts.	No	*	1
			NOTE: The above panel has the panel glass installed but no other parts of any sort.			
		88U-45	Panel fixing screws (1" x 4-36 Oval Head M.S.)	*	*	10
		88U-24	Binding posts (Black Bakelite) (supplied with nuts and washers)	*	*	8
		88U-34	Safety key switch knob	*	*	1
		88U-35	Switch knobs (engraved "DC Current", "DC Volts", "AC Current", "AC Volts", or "Circuits". Specify when ordering)	*	*	5
		88U-36	Switch knob dust felts	*	*	6
		88U-37	Switch knob click steel ball	*	*	4
		88U-38	Switch knob ball bronze spring	*	*	4

(See Drawing Plate No. 31)

SENSITIVE RESEARCH INSTRUMENT CORP. 310 MAIN STREET, NEW ROCHELLE N.Y., U.S.A.

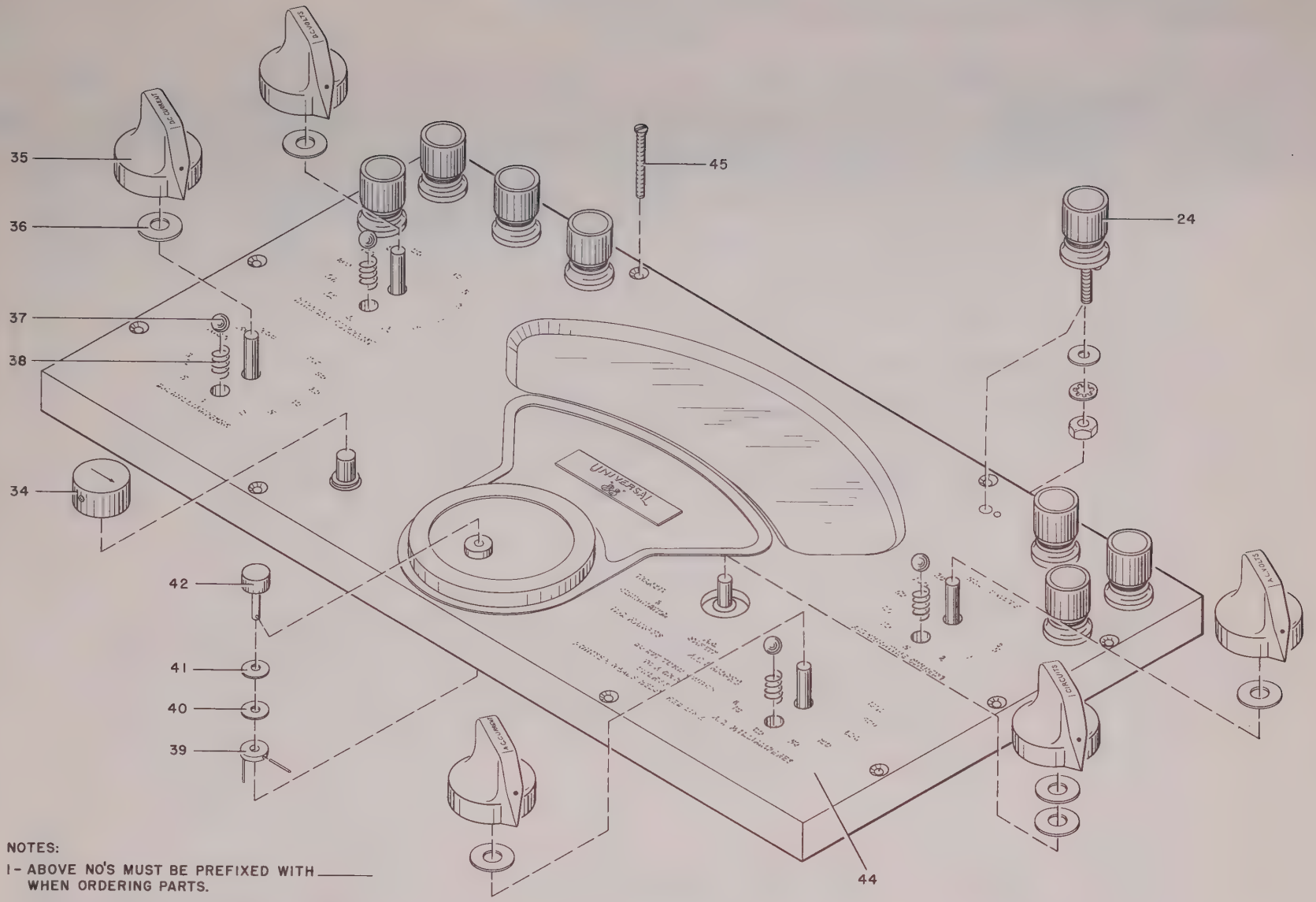
SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER SECTION 2

CUSTOMER CONTRACT NUMBER

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR		PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	INSTRUMENT PANEL TOP SURFACE PARTS	RECOMMENDED CUSTOMER REPAIR		
		88U-39	Zero corrector cam and pins	No	*	1
		88U-40	" " cam fibre washer	No	*	1
		88U-41	" " cam spring washer	No	*	1
		88U-42	" " bakelite thumb knob and shaft	No	*	1

(See Drawing Plate No. 31)



NOTES:

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2- INSTRUMENT SERIAL NO. MUST BE SPECIFIED WHEN ORDERING PARTS.

PLATE Nº 31

SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER **SECTION** 3

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	INSTRUMENT PANEL UNDERSIDE PARTS			
		88U-50	Panel glass	*	*	1
		88U-51	Panel glass felt gasket	*	*	1
		88U-52	Panel glass clips and screws	*	*	4
		88U-53	DC voltage selector switch base and blades (supplied with mounting screws and washers.)	No	*	1
		88U-54	AC voltage selector switch base and blades (supplied with mounting screws and washers.)	No	*	1
		88U-55	DC current selector switch base and blades (supplied with mounting screws and washers.)	No	*	1
		88U-56	AC current selector switch base and blades (supplied with mounting screws and washers.)	No	*	1
		88U-58	Circuit selector switch (4 decks, 5 positions)	No	*	1
		88U-69	Safety key switch (push button and push and turn 6 blades)	No	*	1
			NOTE: The above switches are supplied without knobs.			
		88U-56-A	Switch head blade, shaft and washer	No	*	4
		88U-56-B	Helical spring connection studs	No	*	4
		88U-57	Helical switch blade connection springs	No	*	4
		88U-63	Electrostatic foil shield	No	*	1

(See Drawing Plate No. 32)

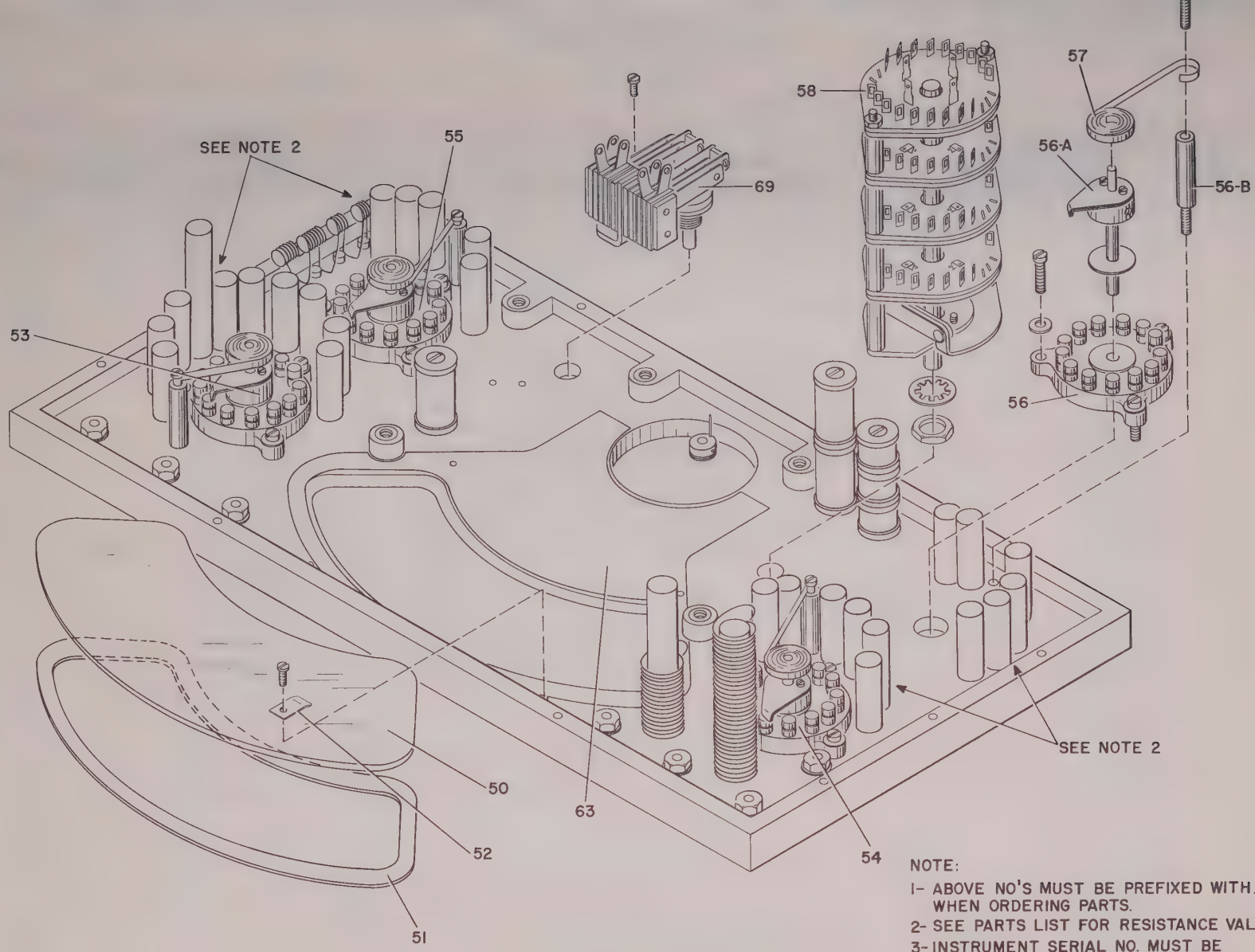


PLATE Nº 32

NOTE:

1- ABOVE NO'S MUST BE PREFIXED WITH _____ WHEN ORDERING PARTS.

2- SEE PARTS LIST FOR RESISTANCE VALUES.

3- INSTRUMENT SERIAL NO. MUST BE SPECIFIED WHEN ORDERING PARTS.

SENSITIVE RESEARCH INSTRUMENT CORP. 310 MAIN STREET, NEW ROCHELLE N.Y., U.S.A.

SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER **SECTION** 4

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	MAGNET AND BASEPLATE PARTS			
		88U-100	Aluminum baseplate	No	*	1
		88U-101	Alnico V magnet	No	*	1
		88U-102	Diecast polepiece (supplied with necessary mounting screws)	No	*	1
		88U-103	Magnet retaining stud side pillars	No	*	2
		88U-104	Magnet retaining stud front pillar	No	*	1
		88U-105	Magnet retaining clips (side)	No	*	2
		88U-106	Magnet retaining clip (front)	No	*	1
		88U-107	Magnet retaining clip washer (front)	No	*	1
		88U-108	Magnet retaining clip screws	No	*	3
		88U-250	Magnet screw lock washers	No	*	3
		88U-109	Magnet retaining clip washer (side)	No	*	2
		88U-110	Magnet stud friction washer	No	*	2
		88U-111	Magnet stud nut	*	*	2
		88U-112	Blank (undrawn) scale plate (white surface)	No	*	1
		88U-113	Scale plate anti-parallax mirror (flexible)	No	*	1
		88U-114	Scale mirror support plate	No	*	1
		88U-115	Scale mirror pillars	No	*	4

(See Drawing Plate No. 33)

SENSITIVE RESEARCH INSTRUMENT CORP. 310 MAIN STREET, NEW ROCHELLE N.Y., U.S.A.

SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER SECTION 4

CUSTOMER CONTRACT NUMBER

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	MAGNET AND BASEPLATE PARTS			
		88U-116	Scale mirror pillar screws (two types)	*	*	8
		88U-117	Scale screws (3-48 Binding Head)	*	*	4
		88U-118	Baseplate panel pillar	No	*	4
		88U-119	Baseplate panel pillar friction washer	No	*	4
		88U-120	Baseplate panel pillar screws (3/8 x 10-32)	*	*	4
		88U-121	Polepiece leveling screw	No	*	1
		88U-122	Front magnet retaining washer and nut	*	*	1 ea.
		88U-125	Temperature compensation unit for alternating current. (completely assembled with two thermistors, circuit resistances connected in position and mounted in a bakelite retainer with mounting screw)	No	*	1

(See Drawing Plate No. 33)

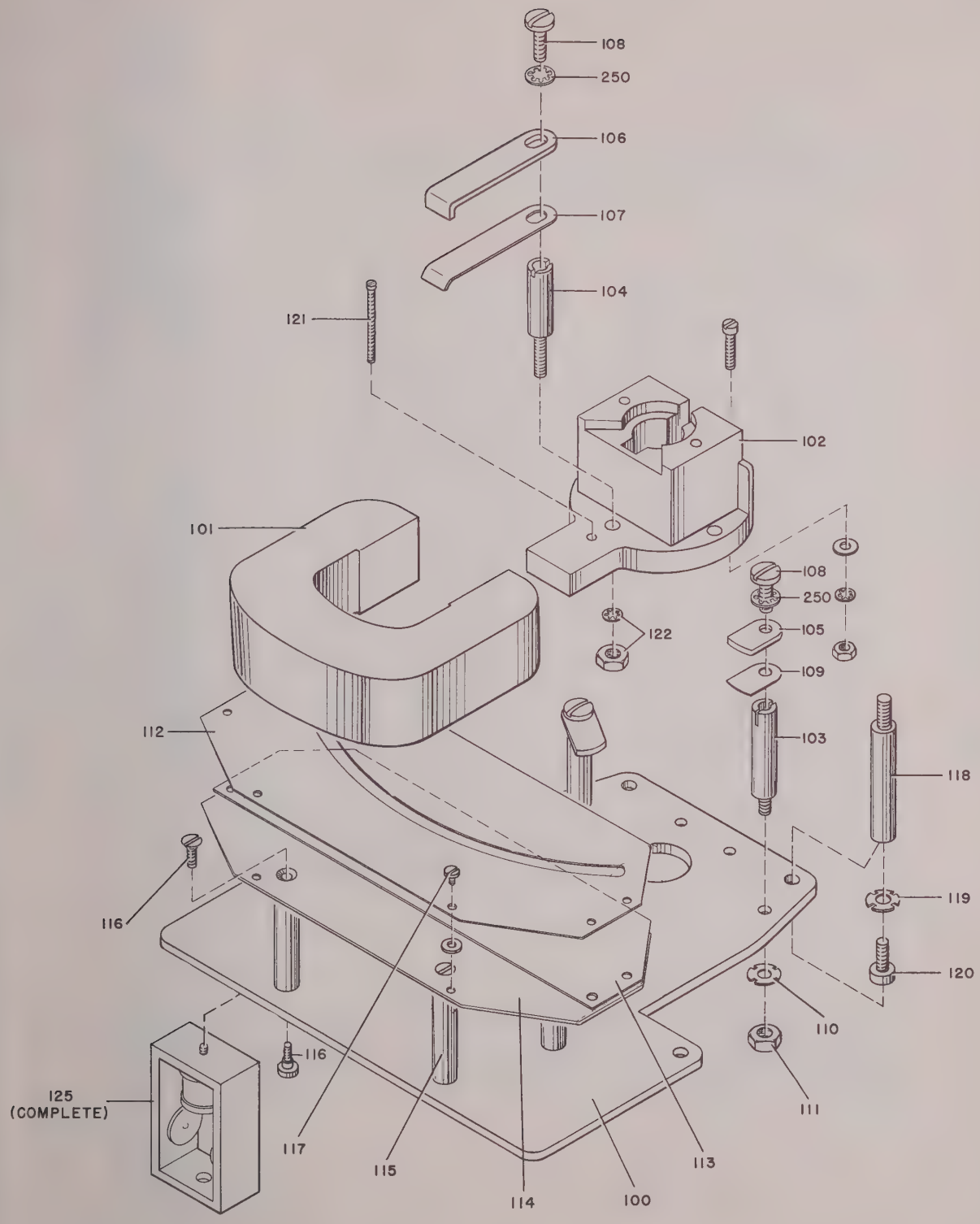


PLATE Nº 33

NOTE:

1- ABOVE NO.'S MUST BE PREFIXED WITH _____ WHEN ORDERING PARTS.

2-INSTRUMENT SERIAL NO. MUST BE SPECIFIED WHEN ORDERING PARTS.

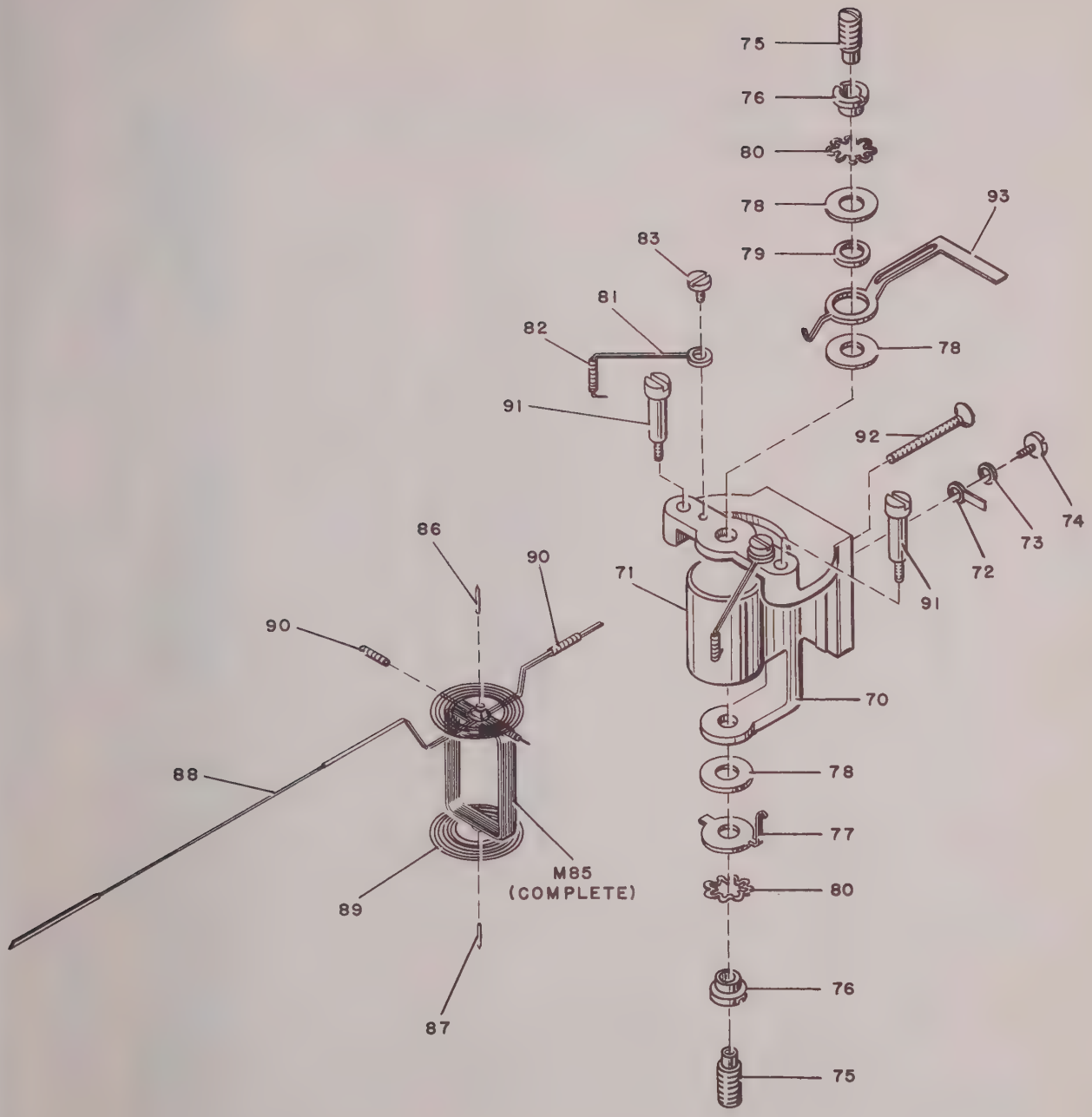
SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER SECTION 5

CUSTOMER CONTRACT NUMBER

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR		PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	INSTRUMENT MOVEMENT PARTS	RECOMMENDED CUSTOMER REPAIR		
		88U-70	Instrument Cockpiece	No	*	1
		88U-71	Cockpiece Core	No	*	1
		88U-72	Baseplate Ground Lug	*	*	1
		88U-73	Baseplate Ground Washer	*	*	1
		88U-74	Baseplate Ground Screw	*	*	1
		88U-75	Spring Mounted Jewel Screw Assembly (complete - ready for use)	No	*	2
		88U-76	Jewel Collars	No	*	2
		88U-77	Bottom Spring Connector	No	*	1
		88U-78	Zero shifter insulator	No	*	3
		88U-79	Zero Shifter Inner Insulating Ring	No	*	1
		88U-80	Spring Washer	No	*	2
		88U-81	Pointer Stop	No	*	2
		88U-82	Pointer Striker	No	*	2
		88U-83	Pointer Stop Fixing Screw	*	*	2
		88U-85	Instrument Moving Coil For Model U-88 Instruments (complete with 2 hairsprings, pivots and pointer ready for use)	No	*	1
		88U-86	Steel Pivots for U-88 Moving Coil	No	*	2
		88U-87	Diamond Pivots for U-88 Moving Coil (when used)	No	*	2
		88U-88	Complete Pointer with Flag	No	*	1
		88U-89	Movement Hairsprings for U-88 Instruments	No	*	2
		88U-90	Movement Balancing Weights	No	*	3
		88U-91	Cockpiece Mounting Screw (6-32 x 1/2" shoulder screw)	*	*	2
		88U-92	Cockpiece Core Fixing Screws	*	*	2
		88U-93	Zero Shifter	No	*	1

(See Drawing Plate No. 5)



NOTE:

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PLATE Nº 5

SPARE PARTS LIST

MODEL UNIVERSAL 88 POLYRANGER SECTION 6

CUSTOMER CONTRACT NUMBER

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	THERMOCOUPLE PARTS			
		29	Thermocouple mechanical assembly complete ready for use (consists of a molded replacement cover on which is permanently mounted a molded thermocouple holder with lugs. Supplied with three mounting screws.)	No	*	1
		31	Soft rubber thermocouple retainer glove	*	*	1
		TRF-357	Vacuum thermocouple with heater resistor and junction sensitivity adjustment resistor and correction data to original instrument accuracy.	*	*	1

(See Drawing Plate No. 30)

SENSITIVE RESEARCH INSTRUMENT CORP. 310 MAIN STREET, NEW ROCHELLE N.Y., U.S.A.

SPARE PARTS LIST

MODEL UNIVERSAL "88" POLYRANGER **SECTION** 7

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	RESISTANCES USED ON UNIVERSAL "88" CODE EXCEL			
			A. C. SIDE			
		88U-140	Resistance .6 Ohm Coil (#16 wire)		*	1
		88U-141	" .6 Ohm Coil (#18 wire)		*	1
		88U-142	Resistance Bobbin 1.2 Ohms (1" high)		*	1
		88U-143	" " 3.6 " (" ")		*	1
		88U-144	" " 6 " (" ")		*	1
		88U-145	" " 12 " (" ")		*	1
		88U-146	" " 36 " (" ")		*	1
		88U-147	" " 60 " (" ")		*	1
		88U-148	" " 10 " (1" high)		*	1
		88U-149	" " 10 " (1/2" high)		*	1
		88U-150	" " 32 " (" ")		*	1
		88U-151	" " 60 " (1/2" high)		*	1
		88U-152	" " 83.3 " (1" high)		*	1
		88U-153	" " 250 " (" ")		*	1
		88U-154	" " 500 " (" ")		*	1
		88U-155	" " 20 " (" ")		*	1
		88U-156	" " 50 " (" ")		*	1
		88U-157	" " 100 " (" ")		*	1
		88U-158	" " 300 " (" ")		*	1
		88U-159	" " 500 " (" ")		*	1
		88U-160	" " 1000 " (" ")		*	1
		88U-161	" " 3000 " (1" high)		*	1
		88U-165	" " 5000 " (1" long special) (mounted outside in ventilated box)		*	1
		88U-166	" " 10000 " (1-7/8" long special) (mounted outside in ventilated box)		*	1
		88U-167	" " 30000 " (2-7/8" long 6 special) (mounted outside in ventilated box)		*	1

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SENSITIVE RESEARCH INSTRUMENT CORP. 310 MAIN STREET, NEW ROCHELLE N.Y., U.S.A.

SPARE PARTS LIST

MODEL UNIVERSAL "88" POLYRANGER **SECTION** 7

CUSTOMER **CONTRACT NUMBER**

ITEM NUMBER	PART NUMBER		DESCRIPTION	RECOMMENDED S.R.I.C. REPAIR	RECOMMENDED CUSTOMER REPAIR	PIECES PER ASSEMBLY
	CUSTOMER PART NO.	S.R.I.C. PART NO.	RESISTANCES USED ON UNIVERSAL "88" CODE EXCEL			
			D.C. SIDE			
		88U-180	Resistance .25 Ohm Coil		*	1
		88U-181	Resistance Bobbin 50 Ohms (1" high)		*	1
		88U-182	" " 40 " (" ")		*	1
		88U-183	" " 150 " (" ")		*	1
		88U-184	" " 250 " (" ")		*	1
		88U-185	" " 500 " (" ")		*	1
		88U-186	" " 1500 " (" ")		*	1
		88U-187	" " 2500 " (" ")		*	1
		88U-188	" " 5000 " (" ")		*	1
		88U-189	" " 15000 " (" ")		*	1
		88U-190	" " 25000 " (" ")		*	1
		88U-191	" " 50000 " (" ")		*	1
		88U-192	" " 150000 " (" ")		*	1
		88U-193	" " 250000 " (" ")		*	1
		88U-194	" " 500000 " (1" high)		*	1
		88U-195	" " 1.5 Megohms (2" high)		*	1
		88U-200	Resistance .05 Ohm Coil		*	2
		88U-201	" .15 " "		*	1
		88U-202	" .25 " "		*	1
		88U-205	Resistance Bobbin .50 Ohms (1" high)		*	1
		88U-206	" " 1.5 " (" ")		*	1
		88U-207	" " 2.5 " (" ")		*	1
		88U-208	" " 5 " (" ")		*	1
		88U-209	" " 15 " (" ")		*	1
		88U-210	" " 25 " (" ")		*	1
		88U-211	" " 50 " (" ")		*	1
		88U-212	" " 150 " (1" high)		*	1

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